

Form PTO-1449				ATTY DOCKET NO. 0020-5153P		APPLICATION NO. NEW			
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)				APPLICANT Kazuhiko SHIRAKAWA					
				FILING DATE August 1, 2003		GROUP 2813			
<b>U.S. PATENT DOCUMENTS</b>									
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
TN	US 4,939,562		1990-07-03	Adlerstein					
TN	US 5,198,964		1993-03	Ito et al.	361	386			
TN	US 5,734,193		1998-03	Bayraktaroglu et al.	257	579			
TN	US 5,864,169		1999-01	Shimura et al.	257	587			
TN	2001/0,055,955	A1	2001-12	Wagemans	455	226.4			
	US								
	US								
	US								
	US								
	US								
<b>FOREIGN PATENT DOCUMENTS</b>									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
TN	EP	0 693 778	A2	1996-01-24	EUROPE				
TN	EP	0 907 206	A1	1999-04-07	EUROPE				
TN	JP	08-279562	A	1996-10-22	JAPAN				
TN	DE	0 0382 5979	A1	1990-02	GERMANY				
TN	JP	40 620 9058	A	1994-07	JAPAN				
TN	JP	40 621 6270	A	1994-08	JAPAN				
TN	JP	8 279 562	A	1996-10-22	JAPAN				
<b>OTHER DOCUMENTS</b> (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)									
TN	William H. Hayt, Jr., Engineering Electromagnetics 1989, McGraw-Hill, Inc., Fifth Edition, pp. 229-231								
EXAMINER  T. NGUYEN					DATE CONSIDERED  2/19/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									